

## M7 Oil Catch Can (OCC) Install Guide (2002-2006) R52 & R52 "S" Models

*M7 Speed engineers and manufactures the highest quality MINI accessories and performance parts available anywhere on Planet Earth! Please inspect your parts when you receive them to verify everything is included and no damage has happened during shipment. Read these instructions completely BEFORE attempting to install this product. If you are not confident you can do the work described or do not have the tools or skills necessary please contact a local M7 dealer (listed on our website [www.m7tuning.com](http://www.m7tuning.com)) or a local automotive accessory installation center to perform this work. We acknowledge not everything is perfect but we work very hard every day to improve our products and make installations easier. If you have any comments please contact M7 Customer Service directly at 704-663-0094. We encourage and welcome all criticism Good or Bad. Thank you.*

### M7 R53 Oil Catch Can Assembled

Can. Finish:  Silver  Black  Carbon Fiber

### 90-1018 "Exact Fit" Hardware Kit

#### Tools & Supplies Required:

- Electric drill
- 1/4" drill bit
- 8 mm Hex socket & wrench
- 10 mm Hex socket & wrench
- Wire cutters
- Razor knife
- #30 Torx socket or wrench
- Ratchet
- Socket drive extension
- Phillips Screwdriver
- Straight blade screwdriver
- Masking tape

**Estimated Install Time:** 1 hour to 2 hours



All references in this manual to Right Side (RS) and Left Side (LS) are referenced to as you were driving the car. This means that RS of the car is actually the mechanics Left Side as he/she is standing in front of the vehicle and vice versa.

### **Remove The Intercooler**

1. Begin by removing the stock intercooler diverter cover. Loosen and remove the (4) M6 retaining bolts using a #30 Torx wrench or driver. Remove the Diverter Cover. *See Figures 1&2*



**Figure 1**



**Figure 2**

2. Using an 8mm socket, remove the (2) black horseshoe shaped brackets located at the front of the intercooler. An extension may be useful if your tools will not fit. *See Figure #3*
3. Use a #30 Torx driver to remove the four (4) intercooler inlet/ outlet clamps. There are eight (8) bolts in total to remove. (4) per side



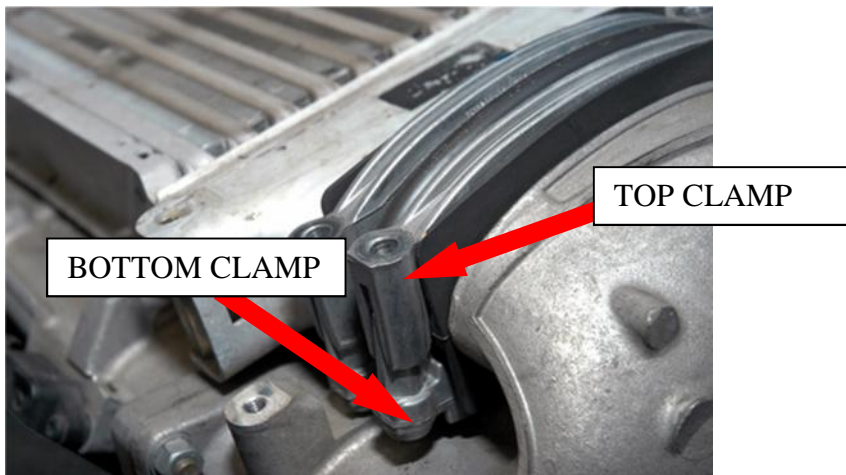
**Figure 3**

4. Before removing, note that the top and bottom of each clamp has one male end and one female end. It is advised to make a small mark on each clamp with a Sharpie to identify top and bottom. Gently tap each clamp side to side with a small plastic hammer to loosen.

**\*\*NOTE\*\***

**See Figure #4**

Take a good look at the intercooler clamps before continuing. Each clamp has two parts: Top and Bottom. The top half has a straight hole without threads. The bottom half is threaded for screws. It is **EXTREMELY** important (to avoid frustration) that you make this distinction now.



**Figure 4**

5. See Figure #5 Remove the stock intercooler by pulling the unit up from the back and then towards the front of the car. It may be helpful to have someone hold the clamp bottoms to prevent them from falling into the engine bay.



**Figure 6-Remove intercooler**



**Figure 5**

**\*\*NOTE\*\***

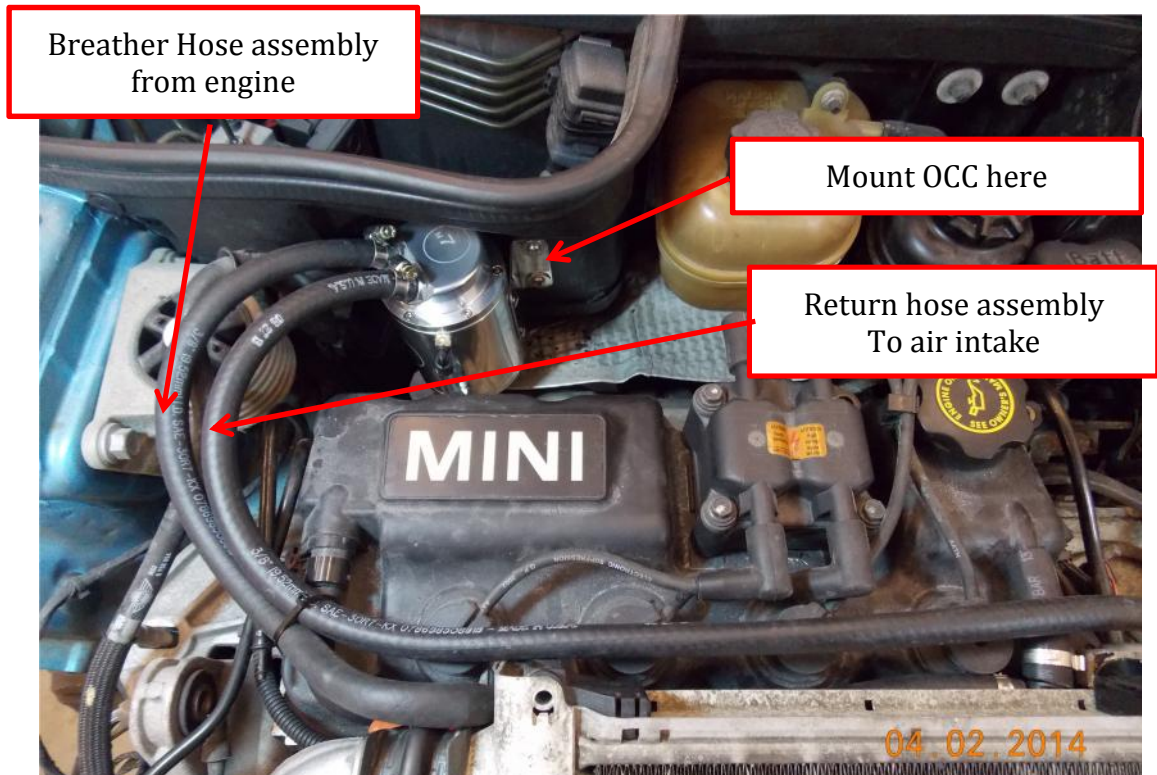
Remove the stock black rubber bellows. Inspect for damage or cracking. This is a good time to replace them with new M7 100% silicone boots available in Red, Blue or Black. Clean all the loose debris and dirt from under the intercooler.

**\*CAUTION\***

The intake horns to the supercharger and intake manifold are now open. TAKE EXTREME CAUTION not to drop anything into these open ports. This includes tools, hardware, dirt, etc.. If you do drop anything into these open ports YOU MUST REMOVE IT before reassembly. Failure to do so will cause extreme damage to you engine.

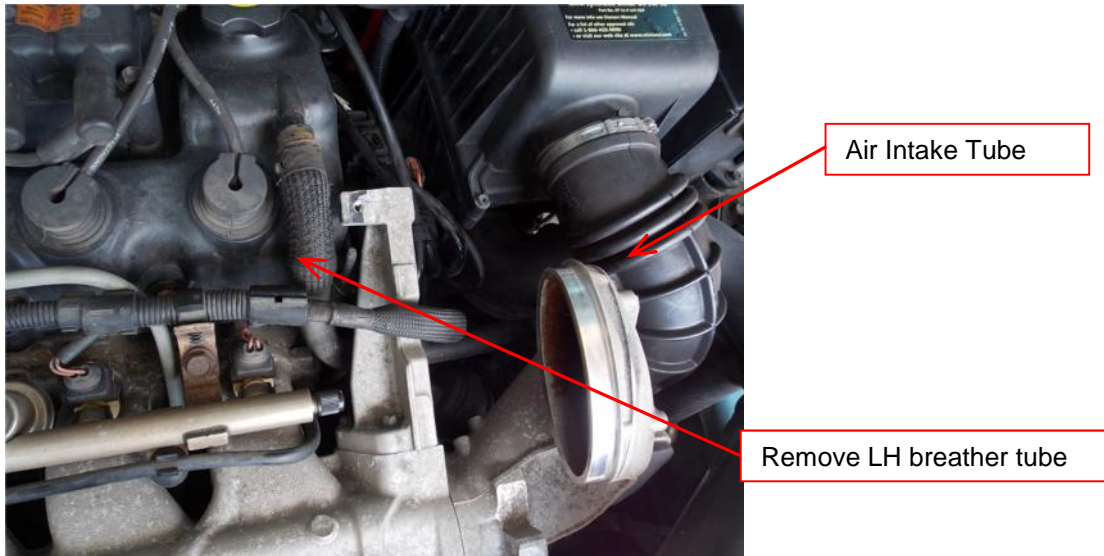
### **Installing The M7 OCC onto the Car**

1. Mount the M7 Oil Catch Can on the RS plastic partition directly behind the engine and above the exhaust heat shield. See Figure 7 below. Drill two (2)-1/4" dia. for the M6 bolts and mount the catch can assembly to the car. Use the supplied M6 x 16mm long screws, large OD flat washers and Nylock nuts. Tighten.



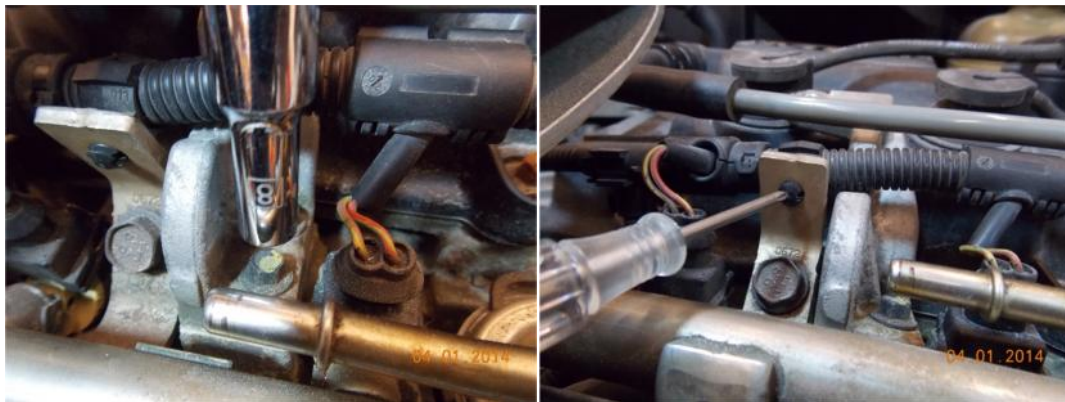
**Figure 7- OCC Installation**

2. The M7 Speed Exact Fit kit comes with pre-cut and pre-assembled hose assemblies. Remove the left side breather hose which runs from the LS of the cam cover to the air intake tube and set aside. This hose will not be used in the installation. See Figure #8



**Figure 8-LH Breather Hose Stock Location**

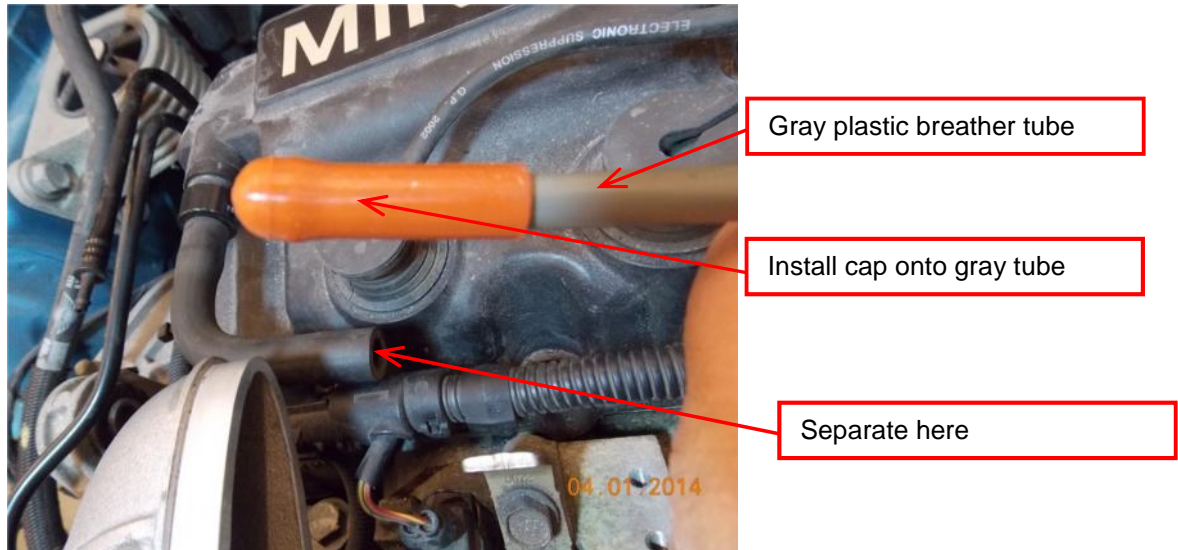
3. Remove the RS rear intercooler mount (2 bolts) using an 8mm socket. *See Figure #9*



**Figure 9**

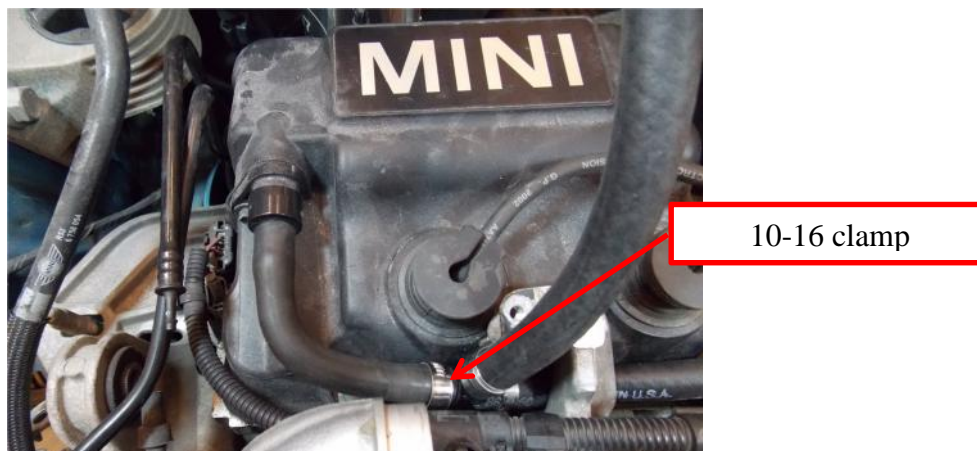
**Figure 10**

4. Locate the wire mount directly next to the intercooler mount. Push (DO NOT PULL!) the wire mount from its bracket using a small screwdriver. *See Figure #10*
5. Insert the ½" end of the M7 breather hose assembly onto the LS cam cover tube and point the assembly to the RH side of the car. Fasten with a 12-22 hose clamp.
6. Disconnect the right hand breather tube hose from the gray plastic breather tube. Use a twisting motion to break the seal. Place the supplied silicone cap onto the gray plastic tube *See Figure #11 below.*



**Figure 11 RH Breather Tube**

7. Lay the breather hose assembly along the front edge of the cam cover. The tee on the RH side should point UP. If not twist the hoses until they are pointed correctly. Place a 10-16 hose clamp onto the RS breather tube and insert the open leg of the tee fitting into it. Tighten the hose clamp. See Figure #12



**Figure 12**

8. Check everything for proper fit and routing. Reinstall the RS intercooler bracket back onto the engine with the new hose positioned BETWEEN the mount and the cam cover. Check that the hose is not pinched.
9. Insert the plastic wire mounting bracket back into its locating hole.
10. Lay the capped off gray hose next to the fuel injector wire loom and tywrap to hold it in place. See Figure #13



Tywrap hose here

**Figure 13**

11. Connect the open end of the breather hose assembly and one 10-16 clamp to the RS fitting on top of the M7 Oil Catch can and tighten the clamp.
12. Reinstall the Intercooler. Torque all the M6 bolts to 30 in-lbs (3.4Nm). Use never- seize or equivalent lubricant on the threads before reassembly.
13. Install the M7 return hose from the LS of the M7 Oil Catch can to the air intake hose. Use one 10-16 clamp at the catch can end and one 12-20 clamp at the air intake end.
14. Route all the hose so they lay relaxed with no kinks. Tywrap to hold them in place.-

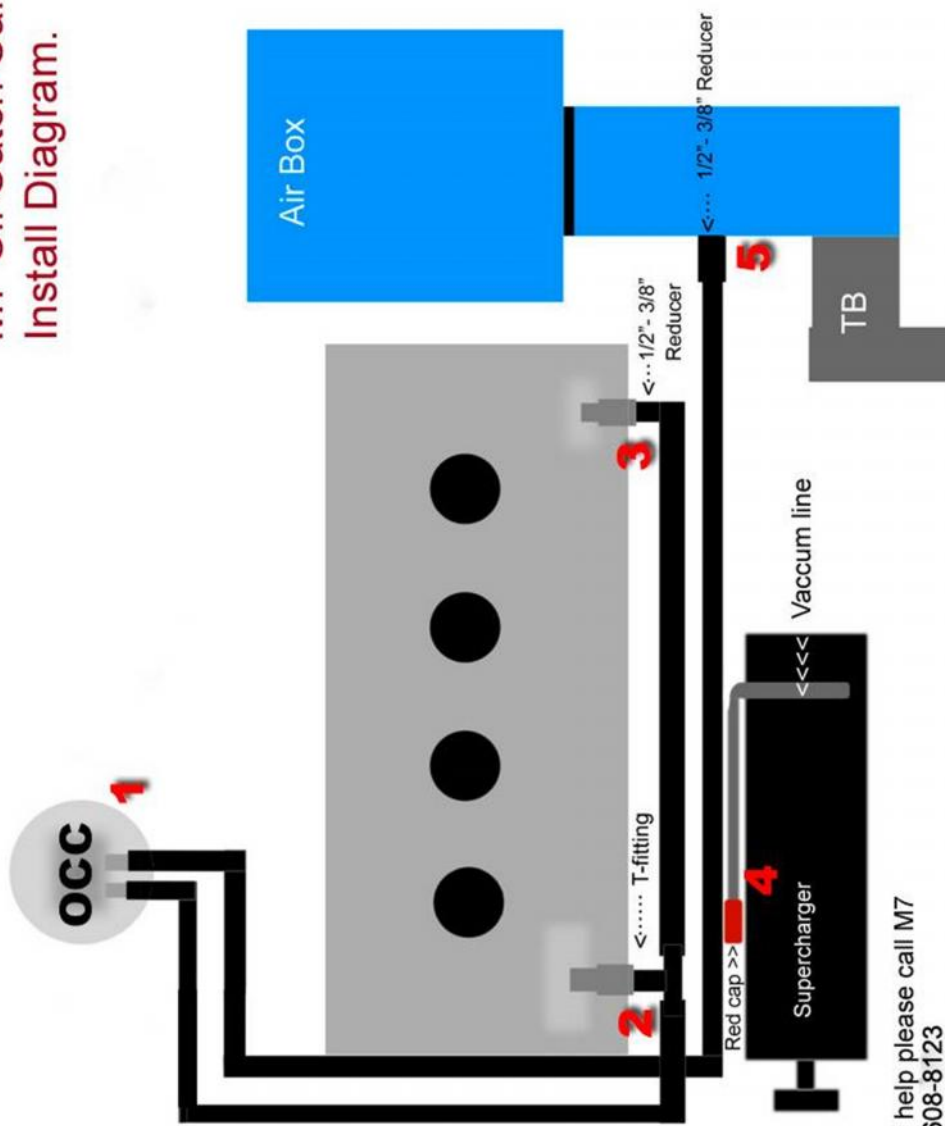


If anything seems unclear, please don't hesitate to call our office Monday – Friday, 9am—4pm EST. Or e-mail us [techsupport@m7tuning.com](mailto:techsupport@m7tuning.com).

***Enjoy the Ride!***

Rev 04-01-2014

**M7 Oil Catch Can  
Install Diagram.**



For tech help please call M7  
at 562-608-8123  
Copyright 2004 M7 speed Inc. ©